

WHAT IS CLAIMED IS:

- 1 1. A bag comprising side walls which are substantially impervious to moisture and having an opening at one end which is adapted to be sealed, a portion of a side wall comprising a substantially transparent material which is substantially impervious to moisture and a moisture indicating material mounted within the bag adjacent to the transparent material to enable the moisture indicating material to be viewed through the transparent material, and at least a portion of the moisture indicating material being exposed to air within the bag.
- 1 2. A bag according to claim 1, wherein a side wall of the bag further comprises a desiccant material which defines at least a portion of an inner surface of the side wall.
- 1 3. A bag according to claim 2, wherein the desiccant material comprises a silica gel.
- 1 4. A bag according to claim 1, wherein the side walls of the bag comprise a laminated material.
- 1 5. A bag according to claim 4, wherein the laminated material comprises a metal foil.
- 1 6. A bag according to claim 1, wherein the substantially transparent material comprises a transparent moisture barrier film.
- 1 7. A bag according to claim 1 in combination with an electronic device, the electronic device being sealed within the bag.

1 8. A bag according to claim 1 in combination with a packaged semiconductor device, the
2 packaged semiconductor device being sealed within the bag.

1 9. A bag for the storage and transportation of an electronics device, the bag comprising:
2 a first side wall that is substantially impervious to moisture, a portion of the first side wall
3 comprising a substantially transparent material which is substantially impervious to moisture;
4 a second side wall that is substantially impervious to moisture, the first and second side
5 walls being attached at three edges so that an opening is formed at one end, the opening being
6 adapted to be sealed;
7 a moisture indicating material mounted within the bag adjacent to the transparent material
8 to enable the moisture indicating material to be viewed through the transparent material, wherein
9 at least a portion of the moisture indicating material is exposed to air within the bag; and
10 a porous inner bag attached to an inner wall of the first or second side wall; and
11 a desiccant material located within the porous inner bag.

1 10. A bag according to claim 9, wherein the desiccant material comprises a silica gel.

1 11. A bag according to claim 9, wherein the first and second side walls of the bag comprise a
2 laminated material.

1 12. A bag according to claim 11, wherein the laminated material comprises a metal foil.

1 13. A bag according to claim 9, wherein the substantially transparent material comprises a
2 transparent moisture barrier film.

1 14. A bag according to claim 9 in combination with a packaged semiconductor device, the
2 packaged semiconductor device being sealed within the bag.

1 15. A bag for the storage and transportation of an electronics device, the bag comprising:

2 a first side wall that is substantially impervious to moisture, a portion of the first side wall

3 comprising a substantially transparent material which is substantially impervious to moisture;

4 a second side wall that is substantially impervious to moisture, the first and second side

5 walls being attached at three edges so that an opening is formed at one end, the opening being

6 adapted to be sealed;

7 a first moisture level indicator mounted within the bag adjacent to the transparent

8 material to enable moisture indicating material to be viewed through the transparent material,

9 wherein at least a portion of the first moisture level indicator is exposed to air within the bag;

10 a second moisture level indicator mounted within the bag adjacent to the transparent

11 material to enable moisture indicating material to be viewed through the transparent material,

12 wherein at least a portion of the second moisture level indicator is exposed to air within the bag;

13 and

14 a third moisture indicator level mounted within the bag adjacent to the transparent

15 material to enable moisture indicating material to be viewed through the transparent material,

16 wherein at least a portion of the third moisture level indicator is exposed to air within the bag.

1 16. A bag according to claim 15 wherein the first moisture level indicator provides a first

2 warning that moisture in the bag is approaching a danger level, wherein the second moisture

3 level indicator provides an intermediate warning that indicates to a user to put the electronics

4 device into a new bag, and wherein the third moisture level indicator provides a warning that

5 moisture levels have exceeded a recommended maximum level.

1 17. A bag according to claim 15, and further comprising:
2 a porous inner bag attached to an inner wall of the first or second side wall; and
3 a desiccant material located within the porous inner bag.

1 18. A bag according to claim 17, wherein the desiccant material comprises a silica gel.

1 19. A bag according to claim 15, wherein the first and second side walls of the bag comprise
2 a laminated material, wherein the laminated material comprises a metal foil.

1 20. A bag according to claim 15, wherein the substantially transparent material comprises a
2 transparent moisture barrier film.